

strymon®

Lex
rotary

Product Introduction



Born to Revolve.

The classic, unmistakable sound of the most sought-after rotating speaker system, faithfully recreated using hand crafted algorithms and monstrous processing power.

Extensive control over the tonality and mechanics of the system. Manipulate rotor speed, horn level, acceleration time, microphone distance, tube drive, and volume level.

Go from a maelstrom of dramatic, up-close, sweeping and swirling sounds, all the way to mellow, tranquil and calming undulations. All in a compact, pedalboard-friendly format.

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Born to Revolve.

When we decided to create a studio-class pedal that faithfully recreates the classic, unmistakable sound of the most sought-after rotating speaker system, we prepared to study every nuance and finest detail. The Strymon sound design labs have been filled with those signature, swirling, three-dimensional sounds, as we painstakingly analyzed and recreated the physics and mechanics behind these systems.

Lex provides you with a complete, accurately reproduced rotary system: the low-frequency bass rotor, the rotating treble horn, the tube-driven amplifier, finely tuned microphone placement, and all the complex sonic interactions between these elements. Utilizing a ridiculously powerful **SHARC DSP**, every drop of processing power is harnessed to authentically represent these intricate details.

You get seven parameters to tweak, allowing extensive control over the tonality and mechanics of the rotating speaker system. You can manipulate each element, from rotor speed, horn level, acceleration time, microphone distance, tube drive and saturation, and volume level. Go from a maelstrom of dramatic, up-close, sweeping and swirling sounds, all the way to mellow, tranquil and calming undulations. All of this without a behemoth cabinet, microphone setup, and costly motor maintenance.

Read the Lex Rotary white paper and learn how we studied and captured every rotating speaker system detail.

Rotary Adjustment and Tone Shaping

Front Panel Knobs

Four rotary adjustment and tone shaping knobs: **Fast Rotor Speed, Preamp Drive, Mic Distance, Horn Level.**

Fast Rotor Speed adjusts the rotational speed of the effect when spinning in Fast mode. Go from a relaxed 4Hz rotation to a frenetic spin of greater than eight rotations per second.

Preamp Drive overdrives the input feeding the rotary speaker effect. Harmonics are created that add growl and fatness, adding a whole new dimension when set into motion.

Mic Distance varies the placement of the microphones at the horn (stereo pair) and rotor (single mic). Choose from up close, tight and intense, to distant miking with evened-out fluctuations.

Horn Level allows you to adjust the horn volume. Adjust in conjunction with Mic Distance to find the desired amount of high-end, and to match the sound with your particular setup.

Secondary Functions

Three “hidden” knobs for extensive tweaking: **Slow Rotor Speed, Acceleration Time, +/- 6dB Boost/Cut.** Your 4-knob Lex Rotary is actually a 7-knob rotating speaker machine!

Slow Rotor Speed adjusts the rotational speed of the effect when spinning in Slow mode. At minimum Slow Rotor setting, the speed is zero, or “braked”, so you can set up a one-speed rotary system that switches between fast and stationary.

Acceleration Time varies the time it takes for the Lex rotating assembly to speed up and slow down. Set a quick acceleration if you’re interested in the destination, or select a slower acceleration if you think the fun is in getting there. At all settings, the drum will take longer than the horn to reach its final speed.

+/- 6dB Boost/Cut allows balancing the output level under all conditions. Achieve a plus or minus 6dB boost or cut when the pedal is engaged.

More Features

Fast/Slow Speed switch

Instantly alternate between a fast and slow rotor speed. Ramp up and slow down with the press of a switch.

Rotary Brake

Press and hold the Fast/Slow switch to put the brakes on. The Lex rotary will wind down and stop. When at rest, the horn and drum “brake angle” is optimally positioned for consistent results. Release the Fast/Slow switch and the rotary will begin to spin.

Bi-Amping

Lex provides you with a selectable Bi-Amp mode to send bass rotor signal out to the Left output, and the treble horn to the Right output. Stack two cabinets and add another dimension to your sound.

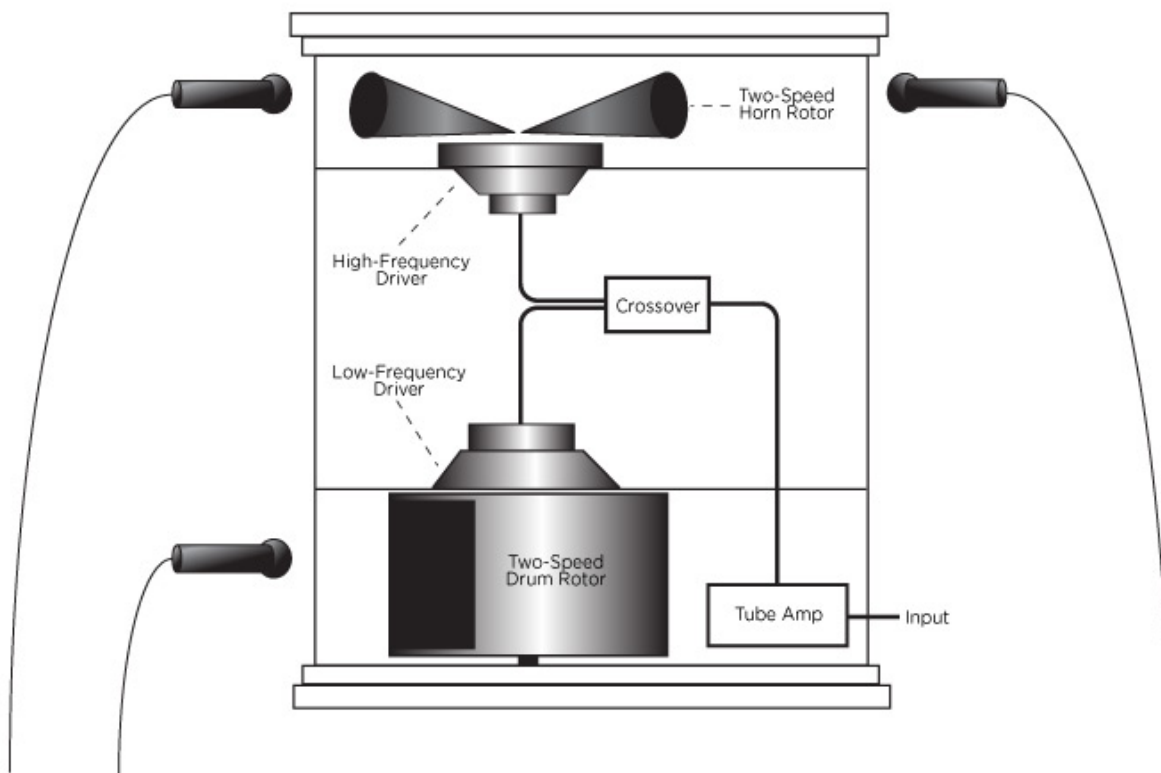
Expression Pedal Control

You get an expression pedal input with assignable control over any front-panel knob parameter. When set to Fast Rotor Speed, you can sweep and ramp all the way from the “braked” position up to a selectable speed.

What’s happening inside?

The System

Lex rotary delivers a faithful reproduction of the entire rotating speaker system. It’s all here—the low-frequency bass rotor, the rotating treble horn, the tube-driven amplifier, finely tuned microphone placement, and all the complex sonic interactions between these elements.



Read our Rotary Speaker White Paper to learn more.

Features and Specs

Sound Design

- Hand crafted rotary algorithms faithfully deliver the signature, three-dimensional rotating speaker experience
- Extensive control over rotating speaker mechanics and configuration
- Four rotary adjustment and tone shaping knobs: **Fast Rotor Speed, Preamp Drive, Mic Distance, Horn Level.**

- Three “hidden” knobs for extensive tone tweaking: **Slow Rotor Speed, Acceleration Time, +/- 6dB Boost/Cut.**
- Instantly alternate between a fast and slow rotor speed with the **Fast/Slow footswitch**
- Transparent cabinet technology allows for an optimal experience in front of guitar amplifiers and full range systems

Ins, Outs, Switches

- Stereo output, high impedance mono input
- Expression pedal input with selectable control over any knob parameter
- Connect our optional Favorite switch to save a favorite preset
- Fast/Slow and Bypass footswitches
- Press and hold Fast/Slow footswitch for **Rotary Brake**
- Selectable **Bi-Amp mode** splits bass rotor and treble horn signals to separate outputs

Audio Quality

- Ultra low noise, high performance **24-bit 96kHz A/D and D/A converters**
- **110dB** typical signal to noise
- Premium analog front end and output section
- Super high performance DSP in a compact form factor
- 32-bit floating point processing

More

- **True Bypass** (electromechanical relay switching)
- Powered with a standard 9V center negative DC supply. 250mA minimum
- Rugged and lightweight mahogany anodized aluminum chassis
- Crafted with love in the **USA**

Where to Buy?

Lex Rotary will be available through the Strymon online store (www.strymon.net/store) and through authorized Strymon dealers (www.strymon.net/dealers). Pricing to be announced soon.

For more information, please visit www.strymon.net